



ICTS SUMMER COURSE

NEUTRON STARS & BLACK HOLES

G. SRINIVASAN

Raman Research Institute (Retired)

15 MAY - 28 JUNE, 2019

VENUE

**EMMY NOETHER ROOM
ICTS BENGALURU**

icts.res.in/summercourse-2019-nsbh

- ★ Diffuse stars
- ★ Life history of the stars
- ★ Quantum stars
- ★ Neutron stars and supernovae
- ★ Interior of neutron stars
- ★ Superfluidity and superconductivity inside neutron stars
- ★ Neutron Stars as pulsars
- ★ Gravitation – from Newton to Einstein
- ★ Maximum mass of neutron stars
- ★ Evolution of neutron stars in close binaries
- ★ Recycled pulsars
- ★ Tests of general relativity using double neutron stars
- ★ Gravitational radiation from neutron star mergers
- ★ Blackholes of general relativity
- ★ Supermassive black holes
- ★ Universe versus Multiverse

For attending the course, please register online at <https://bit.ly/summercourse-2019-nsbh>

LECTURE DATES

May 2019						
	1	2	3	4		
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June 2019						
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						



INTERNATIONAL
CENTRE *for*
THEORETICAL
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

Combined X-Ray and Optical Images of the Crab Nebula
Credits for X-ray Image – NASA/CXC/ASU/J. Hester et al.
Credits for Optical Image – NASA/HST/ASU/J. Hester et al.
Accessed at www.hubblesite.org/image/1248/news_release/2002-24